Appln. No.: 09/442,868
Amend/Response filed June 13, 2007
Replying to Office Action of March 20, 2007

PATENT
Attorney Docket No. 348162-991180
Customer No.: 26,379

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended)   A method of communicating digital data from a computer system to a display device comprising:

receiving an analog video signal from a computer system, ~~the analog video signal including a predetermined data pattern of an inherent parameter of the analog signal~~;

sampling the analog video signal to detect ~~the~~ a predetermined data pattern of an inherent parameter of the analog signal;

recovering digital data from the detected predetermined data pattern; and

in response to detection of the predetermined data pattern, commencing a set-up process for converting a video signal into a display image of improved format for display on the display device, wherein the improved format enables more accurate display of original image data.

2. (original) The method according to claim 1, wherein the predetermined data pattern occurs a predetermined time interval after a horizontal sync pulse which is associated with the analog video signal.

3. (original) The method according to claim 1, wherein the predetermined data pattern occurs outside of a blanking interval for the analog video signal.

4. (canceled)

5. (previously presented) The method according to claim 1, wherein the set-up process includes adjusting a sampling rate for sampling the analog video signal.

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6. (previously presented) The method according to claim 1, wherein the set-up process includes adjusting a sampling phase for sampling the analog video signal.

7. (previously presented) The method according to claim 1, wherein the set-up process includes adjusting an orientation of a display image for the display device.

8. (original) The method according to claim 7, wherein said adjusting an orientation of the display image comprises adjusting a sampling start time for the analog video signal relative to a horizontal sync pulse.

9. (original) The method according to claim 7, wherein said adjusting an orientation of the display image comprises adjusting a sampling start time for the analog video signal relative to a vertical sync pulse.

10. (canceled)

11. (previously presented) The method according to claim 1, wherein the inherent parameter is representative of a resolution of the analog video signal.

12. (previously presented) The method according to claim 1, wherein the analog video signal is formed in accordance with a clock signal, the inherent parameter being representative of a frequency of the clock signal.

13. (original) The method according to claim 1, wherein the predetermined data pattern is representative of a beginning of a horizontal blanking interval relative to a horizontal sync pulse for the analog video signal.

14. (original) The method according to claim 13, wherein the predetermined data pattern is utilized for adjusting a horizontal orientation of a display image for the display device.

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15. (original) The method according to claim 1, wherein the predetermined data pattern is representative of a beginning of a vertical blanking interval relative to a vertical sync pulse for the analog video signal.

16. (original) The method according to claim 15, wherein the predetermined data pattern is utilized for adjusting a vertical orientation of a display image for the display device.

17. (currently amended) An apparatus for communicating digital data from a computer system to a display device comprising:

a receiver that receives an analog video signal from a computer system, the analog video signal including a predetermined data pattern of an inherent parameter of the analog signal;

a sampling component that samples the analog video signal to detect the a predetermined data pattern of an inherent parameter of the analog signal;

a processing component that recovers digital data from the detected predetermined data pattern; and

a display controlling component that commences a set-up process, in response to detection of the predetermined data pattern, for converting a video signal into a display image of improved format for display on the display device, wherein the improved format enables more accurate display of original image data.

18. (original) The apparatus according to claim 17, wherein the predetermined data pattern occurs a predetermined time interval after a horizontal sync pulse which is associated with the analog video signal.

19. (original) The apparatus according to claim 17, wherein the predetermined data pattern occurs outside of a blanking interval for the analog video signals.

20. (canceled)

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21. (previously presented) The apparatus according to claim 17, wherein the set-up process includes adjusting a sampling rate for sampling the analog video signal.

22. (previously presented) The apparatus according to claim 17, wherein the set-up process includes adjusting a sampling phase for sampling the analog video signal.

23. (previously presented) The apparatus according to claim 17, wherein the set-up process includes adjusting an orientation of a display image for the display device.

24. (original) The apparatus according to claim 23, wherein said adjusting an orientation of the display image comprises adjusting a sampling start time for the analog video signal relative to a horizontal sync pulse.

25. (original) The apparatus according to claim 23, wherein said adjusting an orientation of the display image comprises adjusting a sampling start time for the analog video signal relative to a vertical sync pulse.

26. (canceled)

27. (previously presented) The apparatus according to claim 17, wherein the inherent parameter is representative of a resolution of the analog video signal.

28. (previously presented) The apparatus according to claim 17, wherein the analog video signal is formed in accordance with a clock signal, the inherent parameter being representative of a frequency of the clock signal.

29. (original) The apparatus according to claim 17, wherein the predetermined data pattern is representative of a beginning of a horizontal blanking interval relative to a horizontal sync pulse for the analog video signal.

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30. (original) The apparatus according to claim 29, wherein the predetermined data pattern is utilized for adjusting a horizontal orientation of a display image for the display device.

31. (original) The apparatus according to claim 17, wherein the predetermined data pattern is representative of a beginning of a vertical blanking interval relative to a vertical sync pulse for the analog video signal.

32. (original) The apparatus according to claim 31, wherein the predetermined data pattern is utilized for adjusting a vertical orientation of a display image for the display device.

33. (previously presented) The method according to claim 5, wherein the set-up process includes adjusting an orientation of a display image for the display device.

34. (previously presented) The apparatus according to claim 21, wherein the set-up process includes adjusting an orientation of a display image for the display device.

35. (previously presented) The method according to claim 11, wherein the set-up process includes adjusting an orientation of a display image for the display device

36. (previously presented) The apparatus according to claim 27, wherein the set-up process includes adjusting an orientation of a display image for the display device.